

ABSTRACT

A blower according to this invention includes: an impeller on which there are arranged a plurality of axial flow blades 40 mounted at circumferential intervals to an outer peripheral surface of a boss 1; a case 19 surrounding the impeller; and a bell mouth 8 cylindrically constricted so as to guide a gas into the case, wherein an inner diameter $D1'$ of the bell mouth is smaller than an outer diameter $D4$ of the impeller. Further, each blade 4 has, in the radial direction, a sweepforward wing portion 2 situated on the boss side and exhibiting a positive advance ratio value, and a sweepback wing portion 3 situated on the outer peripheral side of the blade 4 and exhibiting a negative advance ratio value, with the arc length of each blade increasing from the boss side toward the outer peripheral side. Therefore, it is possible to achieve an improvement in ventilation efficiently through an increase in static pressure and to achieve a reduction in noise.